

STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION

ORIGINAL

RECEIVED
MAR 7 2003
ILLINOIS COMMERCE COMMISSION
HARVARD V. DEBETON

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

X-11954
702-0104

Date: February 11, 2003

To the ILLINOIS COMMERCE COMMISSION:

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Modification of Grade Crossing Warning Devices requested by Illinois Department of Transportation

at: CR-1100E in Catlin, Vermilion County, Illinois, DOT: 479 879N,

MP. D-309.41

File No. 061-04.404

Project No. 04.0419

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.

Norfolk Southern Railway Company

By R. H. Ray

R. H. Ray, Administrator
Highway Grade Crossings

Thomas W. Ambler
(Attorney for Petitioner)

Norfolk Southern Corporation
Three Commercial Place
Norfolk, VA 23510-2191
(Attorney's Address)

DOCKETED

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).

1. Name of Railroad Company Norfolk Southern Railway Company
2. Crossing Number 479 879N
3. Village or City Catlin
4. Name of Street or Highway CR-1100E
5. Public Agency Maintaining Highway County
6. Protection now established:
Passive Cross Buck Signs.
7. Protection desired:
Modify grade crossing warning devices to Flashing Light Crossing Signals
with Gates controlled by constant warning time detection devices.
8. Number of main tracks Two Other tracks None
9. Number of passenger movements:
6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
10. Number of freight train movements:
6 a.m. to 6 p.m. Twenty-Nine 6 p.m. to 6 a.m. Seventeen
11. Approximate number of switch movements:
6 a.m. to 6 p.m. One 6 p.m. to 6 a.m. None
12. Maximum speed of trains at crossing on each track in each direction:
North/East 60 M.P.H. on Both Tracks
South/West 60 M.P.H. on Both Tracks
13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

100 AADT including vehicles, truck and buses

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
- (e) Show the length of each operating track section within the control limits of the crossing protection and its function.

ADDITIONAL INFORMATION

Drawing attached for question no. 16

(File Original and Two Duplicates)

VERIFICATION

I, R. H. Ray, first being duly sworn upon oath depose and say that I am
Administrator - Highway Grade Crossings, of Norfolk Southern Railway Company, a
Virginia corporation; that I have read the above and foregoing petition by me subscribed and know the
contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon
information and belief, and as to those, I believe same to be true.


Administrator - Highway Grade Crossings

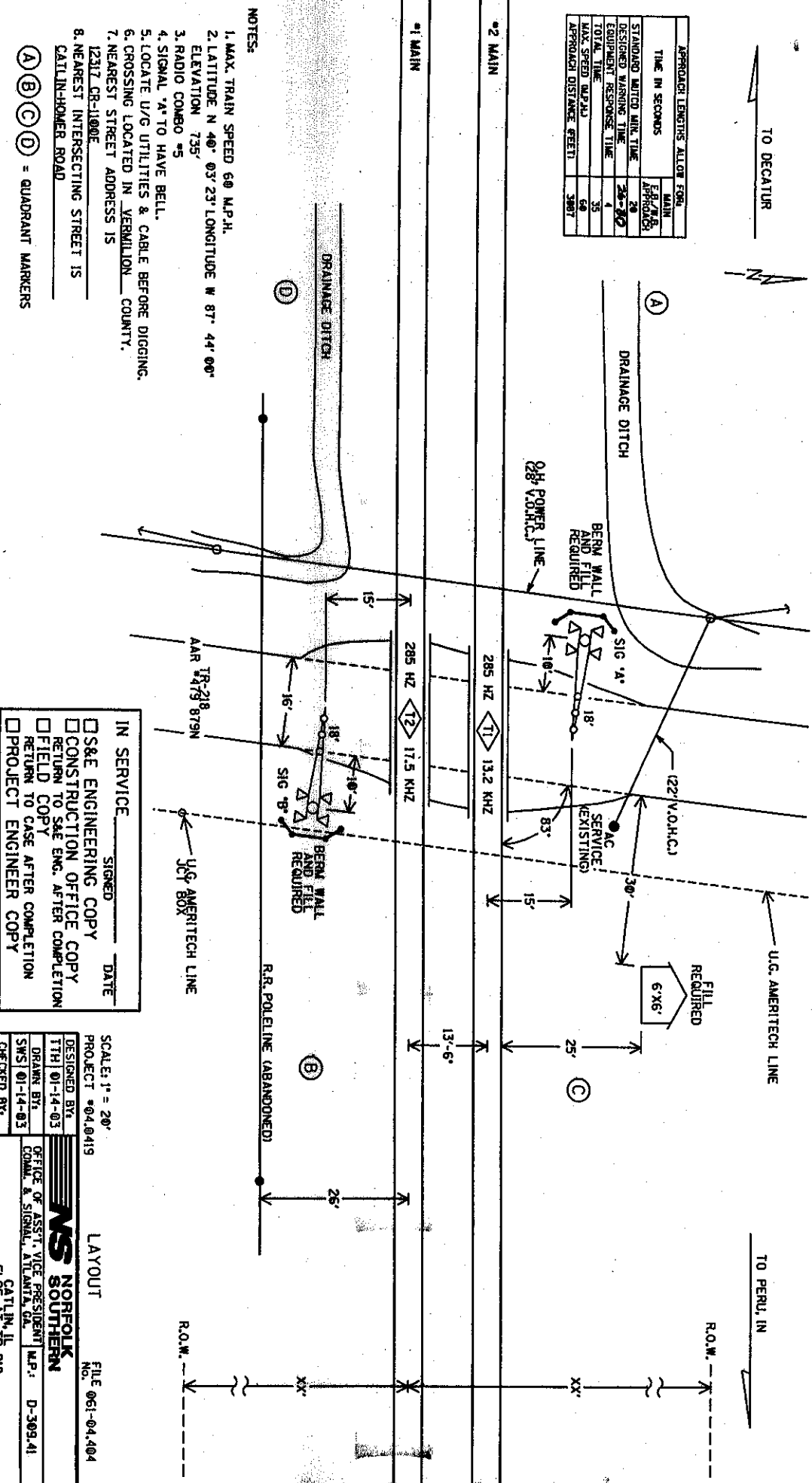
Subscribed and sworn to before me this 11
day of February 20 03.


Notary Public (Georgia) or Witness

My Commission Expires: _____

TO PERU, IN

APPROACH LENGTHS ALLOW FOR		MAIN
TIME IN SECONDS		APPROACH
STANDARD LIMITED MAIN TIME	20	
DESIGNED WARNING TIME	30-40	
EQUIPMENT RESPONSE TIME	4	
TOTAL TIME	35	
MAX SPEED (M/PH)	60	
APPROACH DISTANCE (FEET)	3007	



NOTES

1. MAX. TRAIN SPEED 60 M.P.H.
2. LATITUDE N 40° 03' 23" LONGITUDE W 87° 44' 00"
ELEVATION 735'
3. RADIO COMBO #5
4. SIGNAL "A" TO HAVE BELL.
5. LOCATE U/G UTILITIES & CABLE BEFORE DIGGING.
6. CROSSING LOCATED IN VERMILION COUNTY.
7. NEAREST STREET ADDRESS IS
12312 CR-1100E
8. NEAREST INTERSECTING STREET IS
CATTIN-HOMER ROAD

(A) (B) (C) (D) = QUADRANT MARKERS

IN SERVICE _____ SIGNED _____ DATE _____

☐ S&E ENGINEERING COPY

☐ CONSTRUCTION OFFICE COPY

☐ RETURN TO S&E ENG. AFTER COMPLETION

☐ FIELD COPY

☐ RETURN TO CASE AFTER COMPLETION

☐ PROJECT ENGINEER COPY

SCALE: 1" = 20'

PROJECT #04.0419

LAYOUT

FILE 061-04,404
No.

DESIGNED BY:

01-14-03

OVER SOUTHERN EVS

URAWN B11

SIGNAL, ATLANTA, GA.

CHECKED BY:

CATLIN, IL

SEK 01-22-03

RECEIVED

IN SERVICE;

ALCANTARA, DIONISIO	No.
	STF

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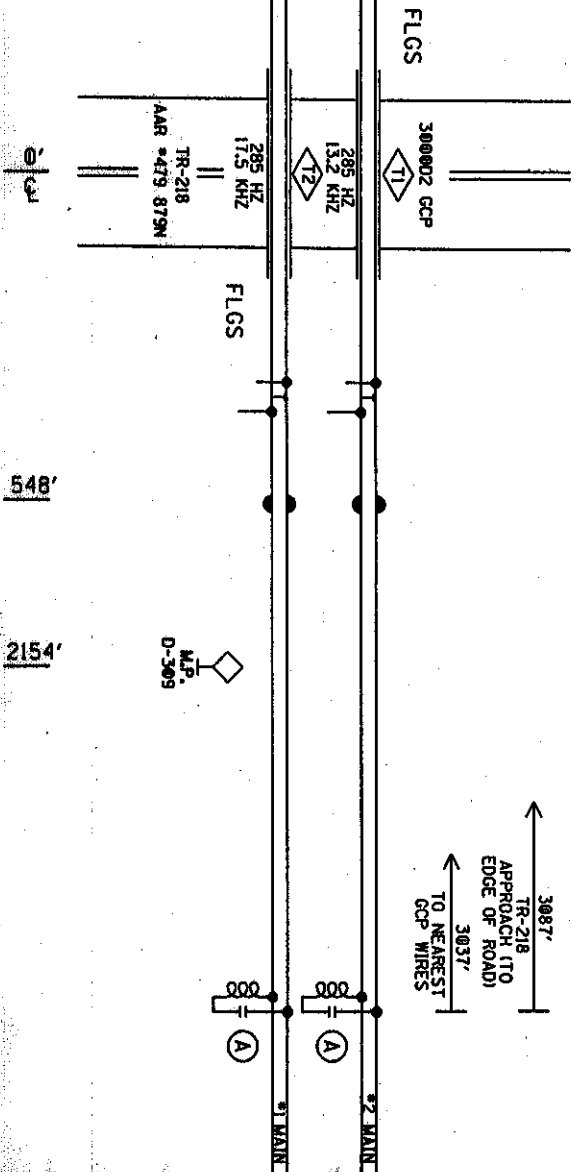
LFUS30941.01 | NO.

TO DECATUR

3087'
TR-218
APPROACH (TO
EDGE OF ROAD)
3037'
TO NEAREST
GCP WIRES

TO PERU, IN

3087'
TR-218
APPROACH (TO
EDGE OF ROAD)
3037'
TO NEAREST
GCP WIRES



Ⓐ - MF-NBS 62775-1543 (285HZ)

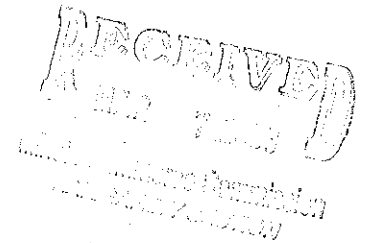
PROFILE

DESIGNED BY TTH 01-14-03	OFFICE OF ASST. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	FILE NO. D-309.41
DRAWN BY SWS 01-14-03	CATLIN, JR. LAFAYETTE DISTRICT	FILE R- NO. 2 of 18
CHECKED BY SEK 01-22-03	DRG. NO. LF0530941.02	
IN SERVICE		
PROPERTY NORFOLK SOUTHERN RAILWAY CO.		
REVISION INITIALS		

Detailed Estimate for Grade Crossing Warning Devices

City/State: CATLIN, IL
MilePost: D-309.41
State Proj. No.:
S&E Proj. No.: 04.0419
Man Days: 80

Road: CR-1100E
DOT/AAR: 479879N
County: VERMILION
AFE:
File Number: 061-04.404


*****Purchases - Other*****

Meals and Lodging:	\$6,630.00
Rental of Equipment:	\$14,480.00
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 20 Days)	
Construction Supervision Vehicle:	\$270.00
Contingencies:	\$540.00

Purchases - Other Total:	\$21,920.00
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***** Material and Additives*****

Material Cost:	\$69,160.00
Sales and Use Tax:	\$3,460.00
Material Handling Freight:	\$6,570.00
Material Total:	\$79,190.00

*****Labor and Additives*****

Labor Cost:	\$17,040.00
(4 man crew at \$852.00 a day for: 20 days)	
Payroll Tax & Overheads:	\$14,750.00
Preliminary Engineering:	\$7,590.00
Construction Supervision:	\$4,810.00
Labor Total:	\$44,190.00
Subtotal:	\$145,300.00
Credit:	\$0.00
(Salvage/Scrap)	
Project Total:	\$145,300.00

Estimated on: 10-Feb-03

Estimated by: ndney

Estimate valid for 1 year from date of estimate

Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	CATLIN
Road:	CR-1100E
Milepost:	D-309.41
Drawing Number:	LFDS30941
State Project Number:	
County:	VERMILION
A A R Number:	479879N
Project Number:	04.0419
File Number:	061-04.404
A F E Number:	
Store Number:	
Supervisor:	K.L. RUSSELL
Tax Code:	1200
Vendor to supply the following copies after pricing: 1 Set - Material Management with original invoice 2 Sets - with plans shipped in car with material 1 Set - S&E Gen. Supt. Construction w/ copy of invoice	

07-Feb-03

Store No.: P.O. Number: Date Required: Date Shipped: Vendor: SW Signal Engineering Company

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Date	Quantity Date	Quantity Date	Quantity Returned (Credit)	Special Instructions
3	670-360693-4	EA	\$4.82	\$14.46	AARDOT NUMBER PLATE/DECAL ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY STRAN						
1	165-006505-4	EA	\$1,028.00	\$1,028.00	AC SERVICE COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE						
2	670-001321-4	EA	\$246.66	\$493.32	ARM. GATE FIBERGLASS-ALUMINUM 17-24 FT., L&W OR US&S OR SAFETRAN 076600-240017 OR						
13	105-871901-4	EA	\$154.22	\$2,004.81	BATTERY GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS						
1	670-503047-4	EA	\$185.75	\$185.75	BELL, CROSSING ELECTRONIC GENERAL SIGNAL, EB-3-360-5 CR 02-044350						
8	165-000341-4	EA	\$10.54	\$84.33	BERM WALL ANCHOR ROD, WITH NUT A.B. CHANCE #6417 (ORDER 4 PER BERM WALL)						
52	165-479603-4	EA	\$7.10	\$369.32	BERM WALL DEADEND STRANDVISE GRAYBAR# 5201T (ORDER 2 PER POWR SOURCE) OR (26 PER BERM WALL)						
2	670-010843-4	EA	\$528.74	\$1,057.48	BERM WALL, ARMCO SEMI-CIRC. 12 GA GALV. STEEL 4'-6" HIGH (FOR FLS, FLGS & CELS) COMPLETE W/POSTS						
8	215-003229-4	EA	\$11.72	\$93.74	BERM WALL/BACK GUY ANCHOR, A.B. CHANCE# 88135 (ORDER 4 PER BERM WALL) OR (1 PER POWER SOURCE)						
2	670-980689-4	EA	\$63.71	\$127.41	BRACKET HIGH WIND, (RIGID 3), WIG- 191036, WALRUS TUSK TYPE						
2	670-561375-4	EA	\$1,201.20	\$2,402.40	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS						
600	465-292862-4	LF	\$1.00	\$601.74	CABLE, U-2-6-TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR						
400	465-292929-4	LF	\$3.00	\$1,199.44	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL						
400	465-939422-4	LF	\$2.56	\$1,023.40	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL						

APPROVED BY STATE APPROVED BY RAILROAD CAR NUMBER SEAL NUMBER

Location: CATLIN IL S&E Proj. No.: 04.0419

A/E No.:

Drawing No.: LFDS30941

Store No.: P.O. Number:

Date Required:

Date Shipped:

Vendor: SW Signal Engineering Company

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed	Quantity Returned (Credit)	Special Instructions
300	465-791835-4	FT	\$1.96	\$587.40	CABLE, UG AC ENTRANCE 3C#6-7X OKONITE FMF-L 094-078 TR W/G 1 X 8 7X W010 BRZ TAPE 600V PRODUCT CODE 206-11-6070				
120	165-544477-4	FT	\$2.00	\$239.47	CONDUIT, 4"x10" PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4				
4	670-090450-4	EA	\$49.62	\$198.50	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W				
4	670-486646-4	EA	\$40.66	\$162.64	CONNECTOR, WELDED NEAR RAIL HARMON A1000-1W				
2	670-793404-4	EA	\$838.38	\$1,676.76	COUNTERWEIGHT PKAGE, 17-24 GATE STRAN S-MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS				
4	670-760012-4	EA	\$34.90	\$139.59	COVER, FOR 1 WAY FLASHING LIGHT ASSY, 18 OZ. BLACK VINYL COATED NYLON, ===TO COVER 2 LAMPS===				
3	670-080337-4	EA	\$0.73	\$2.18	DECAL, XING SIGNAL MALFUNCTION 11" X 4", GATE MOUNT				
3	670-077544-4	EA	\$0.54	\$1.63	DECAL, XING SIGNAL MALFUNCTION 6" X 6", MAST MOUNT				
1	670-986650-4	EA	\$361.26	\$361.26	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING XING EQUIPMENT CONTAINER				
1	670-000004-4	EA	\$281.44	\$281.44	FCC LICENSE FOR MONITOR RADIO				
6	670-000003-4	EA	\$255.85	\$1,535.10	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST				
2	670-015231-4	EA	\$381.69	\$763.37	FOUNDATION, DIXIE, S-2 GATE 56" ASSEMBLED				
1	670-477991-4	EA	\$292.81	\$292.81	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS, 200#4 WIRE, 12 4 WIRE ONE SHOTS, ERICO SBR206				
1	670-123298-4	EA	\$256.93	\$256.93	KIT, HARDWARE SUPPLIES REQUIRED XING PKGAGES, WEB CONNECTORS FOR SHUNT (BEA) TAPE, 100 EA AMPS, P/GUM PAINT SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS,)NE CAN BLUE MARKING PAINT ETC...				

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

Store No.: P.O. Number: Date Required: Date Shipped: Vendor: SW Signal Engineering Company

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Date	Quantity Date	Quantity Date	Quantity Returned (Credit)	Special Instructions
2	670-764166-4	EA	\$907.09	\$1,814.18	LAMP ASSY, 5" MAST MTG, 2W IND, 20" BK GRD, FLX-12 W/BULB STRAN #042003-487XNS						
6	165-643547-4	EA	\$8.43	\$50.60	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/ISC CLEAR RMY SIGNAL UJ-71463 GE						
4	255-590880-4	EA	\$15.62	\$62.47	LOCK, AMERICAN LOCK MODEL H-10KA KEYED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"						
2	670-637778-4	EA	\$1,055.55	\$2,111.09	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE, STRAN P# 070519-11AX.						
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE W/RELAY STRAN # 074000-W000090						
1	670-803515-4	EA	\$2,901.80	\$2,901.80	MONITOR, HWY XING, (DEMA-NS8-1M) W/DUAL SENSOR & RITRON RADIO, FREQ. COMBO #1, CH 1 = 160.950MHZ, CH 2 = 161.535MHZ, INCLUDES WIRING AND INSTALLATION						
4	670-001347-4	EA	\$57.98	\$231.90	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERMI A1250-5, HARMON @200965-000, OR						
1	255-646807-4	EA	\$9.49	\$9.49	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX						
1	670-514605-4	EA	\$8.43	\$8.43	PINNACLE, W-C SECT 1-11, 4"X 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X						
1	670-166532-4	EA	\$140.72	\$140.72	PROTECTOR, SURGE 3-WIRE PLUS GRD 120/240 JOSLYN ELECTRONICS 1259-21-A FOR I/S AC BREAKER PANEL						
4	465-002899-4	EA	\$20.88	\$83.51	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES						
1	670-066502-4	EA	\$7,006.00	\$7,006.00	SHELTER, W/FARADAY, W/GENERATOR CONNECTION, BARE 6X6 ALUMINUM, SAFETRAN P/N 058400-66-78B, W/ADJ. PIERS						
4	670-586967-4	EA	\$34.74	\$138.98	SHUNT COVER W/LAG SCREWS, 19"X19", SERMI #40271, ORDER 1 PER SHUNT						
4	670-652773-4	EA	\$470.56	\$1,882.24	SHUNT, MULTI-FREQ. #62775-1543 SAFETRAN NARROW BAND						

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed	Quantity Returned (Credit)	Special Instructions
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546				
2	670-006438-4	EA	\$10.54	\$21.08	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN, ONLY IN IA, IN, IL, AL. 035200-555X.				
1	670-330382-4	RL	\$10.75	\$10.75	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"				
300	465-377911-4	FT	\$0.42	\$125.88	WIRE, ALUMOWELD GUY 7 #10 STRAND BERM WALL / POLELINE GUY WIRE (ORDER 150' PER BERM WALL) PER GLSEXTON 2-17-98				
1	670-405488-4	EA	\$29,396.00	\$29,396.00	WIRED RACK, 6X6 FARADAY, COMPLETE/GCPS000D2 DOUBLE TRK, 20 AMP SSCIII, 4 ISL MOD, 1 SAFTRAN CHARGER, 1 CRAGG CHARGER 2 RELAY RACKS, SAFTRAN P/N T15384, USE WITH I/S 670-786834-4				

Total Material \$69,158.24